



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/053,673	01/24/2002	Rick P. Hoover	10012696-1	8428

7590 04/06/2006

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

POKRZYWA, JOSEPH R

ART UNIT	PAPER NUMBER
----------	--------------

2625

DATE MAILED: 04/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/053,673	Applicant(s) HOOVER ET AL.	
	Examiner Joseph R. Pokrzywa	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9, 16, 17, 19-26, 54-62, 67, 68, 71, 72 and 93-98 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 16, 17, 19-26, 54-62, 67, 68, 71, 72 and 93-98 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's amendment was received on 1/9/06, and has been entered and made of record. Currently, **claims 1-9, 16, 17, 19-26, 54-62, 67, 68, 71, 72, and 93-98** are pending.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1-9, 24-26, 54-62, 71, 72, and 93-96** are rejected under 35 U.S.C. 102(e) as being anticipated by Mazzagatte *et al.* (U.S. Patent Number 6,862,583, cited in the Office action dated 10/4/05 under Pertinent Prior Art).

Regarding **claim 1**, Mazzagatte discloses a method for mobile printing, comprising creating a print data on a client computer (column 3, line 56-column 4, line 12, and column 7, line 46-column 8, line 43), transferring the print data from the client computer to an On-the-Go Print Queue on the internet for storage (column 3, lines 45-64, column 8, line 20-column 9, line 7, and column 9, line 42-column 10, line 56), recording a reference to the On-the -Go Print Queue on a portable computing device connected to the client computer (column 8, line 20-column 9, line 7, and column 9, line 42-column 10, line 56), connecting the portable computing

Art Unit: 2625

device to a printer having Internet access capability and programmed to read references from portable computing devices (column 4, lines 13-48, and column 9, line 46-column 10, line 24), reading with the printer the reference to the On-the-Go Print Queue from the portable computing device (column 4, lines 13-48, and column 9, line 46-column 10, line 24), accessing the On-the-Go Print Queue with the printer (column 10, lines 1-37), and receiving with the printer the print data stored on the On-the-Go Print Queue (column 10, lines 1-40), and printing the print data on the printer (column 10, lines 31-40).

Regarding *claim 2*, Mazzagatte discloses the method discussed above in claim 1, and further teaches of accessing the On-the-Go Print Queue to set at least one storage or print parameter (column 9, line 42-column 10, line 56).

Regarding *claim 3*, Mazzagatte discloses the method discussed above in claim 2, and further teaches that the parameter is the ordering or deletion of print jobs (column 9, line 42-column 10, line 56).

Regarding *claim 4*, Mazzagatte discloses the method discussed above in claim 1, and further teaches of converting the print data to generic print data; and wherein the transferring comprises transferring the generic print data to the On-the-Go Print Queue (column 3, lines 45-64, column 8, line 20-column 9, line 7, and column 9, line 42-column 10, line 56).

Regarding *claim 5*, Mazzagatte discloses the method discussed above in claim 1, and further teaches of encrypting the print data (column 8, line 31-column 9, line 67, and column 11, line 40-column 12, line 3); and wherein the transferring comprises transferring the encrypted print data to the On-the-Go Print Queue (column 8, line 31-column 10, line 56); and wherein the

Art Unit: 2625

portable computing device includes a key for decryption recorded therein (column 11, line 40-column 12, line 3).

Regarding *claim 6*, Mazzagatte discloses the method discussed above in claim 5, and further teaches that the encrypting comprises encrypting with a session key; and encrypting the session key using a public key (column 8, line 31-column 9, line 67, and column 11, line 40-column 12, line 3).

Regarding *claim 7*, Mazzagatte discloses the method discussed above in claim 5, and further teaches that the encrypting is performed using a public key from a public key-private key pair; and wherein the key for decryption is the private key (column 8, line 31-column 9, line 67, and column 11, line 40-column 12, line 3).

Regarding *claim 8*, Mazzagatte discloses the method discussed above in claim 1, and further teaches of displaying a message to the user if print data was successfully submitted to the On-the-Go Print Queue (column 9, line 56-column 10, line 56).

Regarding *claim 9*, Mazzagatte discloses the method discussed above in claim 1, and further teaches that the portable computing device is a smart card and wherein connecting the portable computing device to the printer comprises inserting the smart card into the printer (column 4, lines 13-48, and column 9, line 46-column 10, line 24).

Regarding *claim 24*, Mazzagatte discloses the method discussed above in claim 1, and further teaches that the accessing the On-the-Go Print Queue further comprises providing a security ID that is separate from the portable computing device to the On-the-Go Print Queue to obtain access thereto (column 9, line 46-column 10, line 56).

Art Unit: 2625

Regarding **claim 25**, Mazzagatte discloses the method discussed above in claim 1, and further teaches of providing proof of printer authenticity to the On-the-Go Print Queue prior to receiving the print data (column 9, line 46-column 10, line 56).

Regarding **claim 26**, Mazzagatte discloses the method discussed above in claim 1, and further teaches of validating the identity of a printer prior to the printer receiving the print data (column 9, line 46-column 10, line 56).

Regarding **claim 54**, Mazzagatte discloses a program product for mobile printing, stored on a computer-readable media (see Figs. 1-4), the program product comprising machine-readable program code for transferring print data to an On-the-Go Print Queue on the internet for storage (column 3, lines 45-64, column 8, line 20-column 9, line 7, and column 9, line 42-column 10, line 56), recording a reference to the On-the -Go Print Queue on a portable computing device (column 8, line 20-column 9, line 7, and column 9, line 42-column 10, line 56), reading with a printer the reference to the On-the-Go Print Queue from the portable computing device (column 4, lines 13-48, and column 9, line 46-column 10, line 24), accessing the On-the-Go Print Queue with the printer (column 10, lines 1-37), and receiving with the printer the print data stored on the On-the-Go Print Queue to enable printing of the print data on the printer (column 10, lines 31-40).

Regarding **claim 55**, Mazzagatte discloses the program product discussed above in claim 54, and further teaches of code for accessing the On-the-Go Print Queue to set at least one storage or print parameter (column 9, line 42-column 10, line 56).

Regarding **claim 56**, Mazzagatte discloses the program product discussed above in claim 55, and further teaches that the parameter is the ordering or deletion of print jobs (column 9, line 42-column 10, line 56).

Regarding **claim 57**, Mazzagatte discloses the program product discussed above in claim 54, and further teaches of code for converting the print data to generic print data; and wherein the transferring comprises transferring the generic print data to the On-the-Go Print Queue (column 3, lines 45-64, column 8, line 20-column 9, line 7, and column 9, line 42-column 10, line 56).

Regarding **claim 58**, Mazzagatte discloses the program product discussed above in claim 54, and further teaches of code for encrypting the print data (column 8, line 31-column 9, line 67, and column 11, line 40-column 12, line 3); and wherein the transferring comprises transferring the encrypted print data to the On-the-Go Print Queue (column 8, line 31-column 10, line 56); and wherein the portable computing device includes a key for decryption recorded therein (column 11, line 40-column 12, line 3).

Regarding **claim 59**, Mazzagatte discloses the program product discussed above in claim 58, and further teaches that the encrypting comprises encrypting with a session key; and encrypting the session key using a public key (column 8, line 31-column 9, line 67, and column 11, line 40-column 12, line 3).

Regarding **claim 60**, Mazzagatte discloses the program product discussed above in claim 58, and further teaches that the encrypting is performed using a public key from a public key-private key pair; and wherein the key for decryption is the private key (column 8, line 31-column 9, line 67, and column 11, line 40-column 12, line 3).

Regarding *claim 61*, Mazzagatte discloses the program product discussed above in claim 54, and further teaches of code for displaying a message to the user if print data was successfully submitted to the On-the-Go Print Queue (column 9, line 56-column 10, line 56).

Regarding *claim 62*, Mazzagatte discloses the program product discussed above in claim 54, and further teaches that the portable computing device is a smart card configured for insertion into the printer (column 4, lines 13-48, and column 9, line 46-column 10, line 24).

Regarding *claim 71*, Mazzagatte discloses the program product discussed above in claim 54, and further teaches of code for providing proof of printer authenticity to the On-the-Go Print Queue (column 9, line 46-column 10, line 56).

Regarding *claim 72*, Mazzagatte discloses the program product discussed above in claim 54, and further teaches of code for validating the identity of a printer (column 9, line 46-column 10, line 56).

Regarding *claim 93*, Mazzagatte discloses a printer for facilitating mobile computing (see Fig. 1, digital copier 30 or printer 50, see abstract), comprising a component for accessing the internet (column 3, line 45-column 4, line 48); structure for reading a smart card and obtaining from the smart card a reference to an On-the-Go print queue on the Internet (column 4, lines 13-48, and column 9, line 46-column 10, line 24); a component for accessing the On-the-Go print queue and downloading therefrom print data (column 10, lines 1-37); and structure for printing the print data (column 10, lines 31-40).

Regarding *claim 94*, Mazzagatte discloses the printer discussed above in claim 93, and further teaches of decryption engine for decrypting the print data prior to printing (see Fig. 3, encryption/decryption logic 355, column 11, line 40-column 12, line 3).

Regarding **claim 95**, Mazzagatte discloses the printer discussed above in claim 94, and further teaches of a component for accessing the smart card to obtain a decryption key in order to facilitate the decryption of the print data (column 11, line 40-column 12, line 3).

Regarding **claim 96**, Mazzagatte discloses the printer discussed above in claim 94, and further teaches of a component for causing the smart card to decrypt a session key, and a decryption engine for decrypting the print data using the session key (see Fig. 3, encryption/decryption logic 355, column 11, line 40-column 12, line 3).

4. **Claims 1-4, 8, 9, 16, 17, 19-26, 54-57, 61, 62, 67, 68, 71, 72, 93, 97, and 98** are rejected under 35 U.S.C. 102(e) as being anticipated by Matsubayashi *et al.* (U.S. Patent Application Publication 2003/0093670, cited in the Office action dated 10/4/05 under Pertinent Prior Art).

Regarding **claim 1**, Matsubayashi discloses a method for mobile printing, comprising creating a print data on a client computer (paragraphs 0057-0058, and 0085), transferring the print data from the client computer to an On-the-Go Print Queue on the internet for storage (paragraphs 0088-0092), recording a reference to the On-the -Go Print Queue on a portable computing device connected to the client computer (paragraphs 0085-0087), connecting the portable computing device to a printer having Internet access capability and programmed to read references from portable computing devices (paragraphs 0104-0106), reading with the printer the reference to the On-the-Go Print Queue from the portable computing device (paragraphs 0104-0106), accessing the On-the-Go Print Queue with the printer (paragraphs 0108-0111), and receiving with the printer the print data stored on the On-the-Go Print Queue (paragraphs 0108-0117), and printing the print data on the printer (paragraphs 0113-0117).

Regarding **claim 2**, Matsubayashi discloses the method discussed above in claim 1, and further teaches of accessing the On-the-Go Print Queue to set at least one storage or print parameter (paragraphs 0108-0111).

Regarding **claim 3**, Matsubayashi discloses the method discussed above in claim 2, and further teaches that the parameter is the ordering or deletion of print jobs (paragraphs 0085-0094).

Regarding **claim 4**, Matsubayashi discloses the method discussed above in claim 1, and further teaches of converting the print data to generic print data; and wherein the transferring comprises transferring the generic print data to the On-the-Go Print Queue (paragraphs 0085-0094).

Regarding **claim 8**, Matsubayashi discloses the method discussed above in claim 1, and further teaches of displaying a message to the user if print data was successfully submitted to the On-the-Go Print Queue (paragraphs 0134-0138).

Regarding **claim 9**, Matsubayashi discloses the method discussed above in claim 1, and further teaches that the portable computing device is a smart card and wherein connecting the portable computing device to the printer comprises inserting the smart card into the printer (paragraphs 0104-0111).

Regarding **claim 16**, Matsubayashi discloses the method discussed above in claim 1, and further teaches that after accessing the On-the-Go Print Queue, displaying a list of jobs available for printing on a front panel display of the printer (see Figs. 17A-17D, paragraphs 0134-0138).

Regarding **claim 17**, Matsubayashi discloses the method discussed above in claim 1, and further teaches that after accessing the On-the-Go Print Queue, displaying print parameter options on a front panel display of the printer (see Figs. 17A-17D, paragraphs 0134-0138).

Regarding **claim 19**, Matsubayashi discloses the method discussed above in claim 16, and further teaches of reordering print jobs in the On-the-Go Print Queue with the printer front panel display (see Figs. 17A-17D, paragraphs 0134-0138).

Regarding **claim 20**, Matsubayashi discloses the method discussed above in claim 16, and further teaches of deleting a print job from the On-the-Go Print Queue with the printer front panel display (see Figs. 17A-17D, paragraphs 0134-0138).

Regarding **claim 21**, Matsubayashi discloses the method discussed above in claim 1, and further teaches of displaying account information on the cost of printing the print job on the printer front panel display (see Figs. 17A-17D, paragraphs 0134-0138, and paragraphs 0141-0142).

Regarding **claim 22**, Matsubayashi discloses the method discussed above in claim 1, and further teaches of linking to an accounting system to bill/debit a user account for the cost of printing (paragraphs 0141-0142).

Regarding **claim 23**, Matsubayashi discloses the method discussed above in claim 22, and further teaches that the accounting system computes a split of any proceeds from the billing/debiting among at least two other parties (paragraphs 0141-0142).

Regarding **claim 24**, Matsubayashi discloses the method discussed above in claim 1, and further teaches that the accessing the On-the-Go Print Queue further comprises providing a

Art Unit: 2625

security ID that is separate from the portable computing device to the On-the-Go Print Queue to obtain access thereto (paragraphs 0085-0094).

Regarding *claim 25*, Matsubayashi discloses the method discussed above in claim 1, and further teaches of providing proof of printer authenticity to the On-the-Go Print Queue prior to receiving the print data (paragraphs 0085-0094).

Regarding *claim 26*, Matsubayashi discloses the method discussed above in claim 1, and further teaches of validating the identity of a printer prior to the printer receiving the print data (paragraphs 0085-0094).

Regarding *claim 54*, Matsubayashi discloses a program product for mobile printing, stored on a computer-readable media, the program product comprising machine-readable program code for transferring print data to an On-the-Go Print Queue on the internet for storage (paragraphs 0088-0092), recording a reference to the On-the-Go Print Queue on a portable computing device (paragraphs 0085-0087), reading with a printer the reference to the On-the-Go Print Queue from the portable computing device (paragraphs 0104-0106), accessing the On-the-Go Print Queue with the printer (paragraphs 0108-0111), and receiving with the printer the print data stored on the On-the-Go Print Queue to enable printing of the print data on the printer (paragraphs 0113-0117).

Regarding *claim 55*, Matsubayashi discloses the program product discussed above in claim 54, and further teaches of code for accessing the On-the-Go Print Queue to set at least one storage or print parameter (paragraphs 0108-0111).

Regarding *claim 56*, Matsubayashi discloses the program product discussed above in claim 55, and further teaches that the parameter is the ordering or deletion of print jobs (paragraphs 0085-0094).

Regarding *claim 57*, Matsubayashi discloses the program product discussed above in claim 54, and further teaches of code for converting 'the print data to generic print data; and wherein the transferring comprises transferring the generic print data to the On-the-Go Print Queue (paragraphs 0085-0094).

Regarding *claim 61*, Matsubayashi discloses the program product discussed above in claim 54, and further teaches of code for displaying a message to the user if print data was successfully submitted to the On-the-Go Print Queue (paragraphs 0134-0138).

Regarding *claim 62*, Matsubayashi discloses the program product discussed above in claim 54, and further teaches that the portable computing device is a smart card configured for insertion into the printer (paragraphs 0104-0111).

Regarding *claim 67*, Matsubayashi discloses the program product discussed above in claim 54, and further teaches of code for displaying a list of jobs available for printing on a front panel display of the printer (see Figs. 17A-17D, paragraphs 0134-0138).

Regarding *claim 68*, Matsubayashi discloses the program product discussed above in claim 54, and further teaches of code for displaying print parameter options on a front panel display of the printer (see Figs. 17A-17D, paragraphs 0134-0138).

Regarding *claim 71*, Matsubayashi discloses the program product discussed above in claim 54, and further teaches of code for providing proof of printer authenticity to the On-the-Go Print Queue (paragraphs 0085-0094).

Art Unit: 2625

Regarding *claim 72*, Matsubayashi discloses the program product discussed above in claim 54, and further teaches of code for validating the identity of a printer (paragraphs 0085-0094).

Regarding *claim 93*, Matsubayashi discloses a printer for facilitating mobile computing, comprising a component for accessing the internet (paragraphs 0085-0087); structure for reading a smart card and obtaining from the smart card a reference to an On-the-Go print queue on the Internet (paragraphs 0085-0087); a component for accessing the On-the-Go print queue and downloading therefrom print data (paragraphs 0108-0111); and structure for printing the print data (paragraphs 0113-0117).

Regarding *claim 97*, Matsubayashi discloses the printer discussed above in claim 93, and further teaches of a display screen and a component for displaying queued print jobs for a user in the display screen (see Figs. 17A-17D, paragraphs 0134-0138).

Regarding *claim 98*, Matsubayashi discloses the printer discussed above in claim 97, and further teaches of a component for enabling reordering print jobs displayed in the display screen (see Figs. 17A-17D, paragraphs 0134-0138).

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO**

Art Unit: 2625

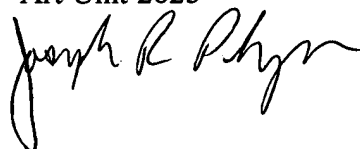
MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joe Pokrzywa whose telephone number is (571) 272-7410. The examiner can normally be reached on Monday-Friday, 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Joseph R. Pokrzywa
Primary Examiner
Art Unit 2625



jrp